Sequence Listing

<110> Sidhu, Sachdev S.
Weiss, Gregory A.
Wells, James A.

<120> TRANSFORMATION EFFICIENCY IN PHAGE DISPLAY THROUGH MODIFICATION OF A COAT PROTEIN

<130> 11669.141USWO

<140> US 09/380,447
<141> 1999-09-01

<150> US 60/134,870
<151> 1999-05-19

<150> US 60/133,296
<151> 1999-05-10

<150> US 60/103,514
<151> 1998-10-08

<150> US 60/094,291
<151> 1998-07-27

<150> PCT/US99/16596
<151> 1999-07-22

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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cggttatgcg 60

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<210> 79
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<220>
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<400> 79
Gly Gly Arg Pro Val
1 5

<210> 80
<211> 34
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<220>
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<400> 80
cagagcggtg gaggatccgg gagctccaga gggt 34

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<220>
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<400> 81
cagagcggtg gaggatccgg gagctccagc gccgagggt 39

<210> 82
<211> 12
<212> PRT
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<220>
<223> peptide flag

<400> 82
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1 5 10

<210> 83
<211> 60
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<400> 83
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ccatcaccat 60

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<400> 84
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taaggcgcca 60

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<400> 85
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<400> 87
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tcaccatgcg 60

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ccatcaccat gcg 63

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tggtggccat caccatcacc atgcg 75

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ttttgttttt 60

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tgttgat 57

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ttggatttgg gctgtcggt 69

<210> 103
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sgcggctgat gcattccca 69

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tgctaaggcg ccagacgatg gt 72

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sgcggctgat gcattccca 69

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<211> 81
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<220>
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<400> 106
gatggtgaag ctgcggctvv cvvcvvcvvc vvcvvcvvcv vcvvcvvcvv 50

cvvcvvcvvc gatgcattcc caactatacc a 81

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tnwtnkgnyt nkgnytnwcn ktnwtnwtga gactgctagc gctcag 96

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<400> 108
caccatcacc atcaccatgc g 21

<210> 109

<211> 30
<212> DNA
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<220>
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<400> 109
gcctgggagg agaacatcga cagcgccccc 30

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<220>
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<400> 110
Ala Trp Glu Glu Asn Ile Asp Ser Ala Pro
1 5 10

<210> 111
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<223> linker oligonucleotide

<400> 111
cagtacggga cgccggacac cgacaccgac 30

<210> 112
<211> 10
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Gln Tyr Gly Thr Pro Asp Thr Asp Thr Asp
1 5 10

<210> 113
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<220>
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acggggtggt tggaggggcc cgacaccccc 30

<210> 114

<211> 10
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<400> 114
Thr Gly Trp Leu Glu Gly Pro Asp Thr Pro
1 5 10

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<210> 116
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<220>
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Leu Met Gly Pro Gly Ala Asp Gly
1 5

<210> 117
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<220>
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<400> 117
cacgactcgg tcccgagcaa cggc 24

<210> 118
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<220>
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<400> 118
His Asp Ser Val Pro Ser Asn Gly
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<210> 119
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<220>
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gctgagcaac ttcgctgcta aggcgccaga cgatggtgaa gctgcggctc 100

accatcacca tcaccatgcg 120

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<220>
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1 5 10 15

Ala Gln Leu Ser Asn Phe Ala Ala Lys Ala Pro Asp Asp Gly Glu
20 25 30

Ala Ala Ala His His His His His His Ala
35 40

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<212> PRT
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<400> 121
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Ser Ala Gln Leu Ser Asn Phe Ala Ala Lys Ala Pro Asp Asp Gly
20 25 30

Glu Ala Ala Ala His His His His His His Ala
35 40

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t 51

<210> 123
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<220>
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Met Ser Lys Ser Thr Phe Lys Lys Phe Leu Lys Val Phe Val Phe
1 5 10 15

Ser Val Asp Val Asp Asn Asn Trp Ile Trp Ala Val Gly Ile Ile
20 25 30

Glu Thr Ala Ser Ala Gln Leu Ser Asn Phe Ala Ala Lys Ala Pro
35 40 45

Asp Asp Gly Glu Ala Ala Ala Asp Ala
50

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<220>
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tgatgttgat aataattgga tttgggctgt cggtattatt tacatgctcc 100

tcgtggaggc gtcgcccctgg gctgctaagg cgccagacga tggtgaagct 150

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t 51

<210> 127
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Tyr Gly Tyr Val

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Leu Phe Leu Val

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